

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

**IN THE CLAIMS:**

This listing of the claims will replace all prior versions and listings of the claims in the application:

1. (Currently Amended) A system, comprising:  
a translator on a computer executable medium adapted to translate between extended grammar constructs of a machine readable language and basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translator configured to implement one or more configurable levels of precompilation; and  
a compiler on a computer executable medium coupled to receive an output of said translator for compiling code written in said basic grammar constructs, wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;  
wherein said translation comprises a direct conversion from said source file to said basic source file;  
wherein said source file with extended grammar constructs is associated with existing basic executables.
2. Canceled
3. (Previously Presented) A system in accordance with claim 1, said basic grammar constructs comprising X.680 grammar constructs.
4. (Original) A system in accordance with claim 3, said extended grammar constructs comprising at least one of X.681, X.682, or X.683 grammar constructs.

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5. (Original) A system in accordance with claim 4, said translator comprising one or more lookup tables.

6. (Currently Amended) A method, comprising:

- providing a first source file, said first source file including extended grammar constructs of a machine readable language;
- translating said first source file into a second source file, said second source file containing only basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translating including selecting from multiple configurable levels of precompilation; and
- compiling said second source file using a compiler adapted to compile basic grammar constructs wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;
- wherein said translation comprises a direct conversion from said source file to said basic source file;
- wherein said source file with extended grammar constructs is associated with existing basic executables.

7. Canceled

8. (Previously Presented) A method in accordance with claim 6, said first source file comprising at least one of X.681, X.682, or X.683 grammar constructs.

9. (Original) A method in accordance with claim 8, said second source file comprising X.680 grammar constructs.

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10. (Original) A method in accordance with claim 9, said translating comprising accessing a lookup table for equivalent constructs.

11. (Currently Amended) A method, comprising:

providing a translator adapted to translate between extended grammar constructs of a machine readable language and basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translator configured to implement multiple configurable levels of precompilation; and providing a compiler coupled to receive an output of said translator for compiling code written in said basic grammar constructs wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file;

wherein said source file with extended grammar constructs is associated with existing basic executables.

12. Canceled

13. (Previously Presented) A method in accordance with claim 11, said basic grammar constructs comprising X.680 grammar constructs.

14. (Original) A method in accordance with claim 13, said extended grammar constructs comprising at least one of X.681, X.682, or X.683 grammar constructs.

15. (Original) A method in accordance with claim 14, said translator comprising one or more lookup tables.

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16. (Currently Amended) A computer-readable computer program product, comprising:

computer-readable program code on a computer-readable medium adapted to receive and translate extended grammar constructs of a computer-readable program language into basic grammar constructs of said computer-readable program language for output to a compiler of program code written in said basic grammar constructs, said computer-readable program language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said computer-readable program code configured to implement multiple configurable levels of precompilation;

wherein said computer-readable program code is adapted to translate said extended grammar constructs into said basic grammar constructs by using one or more lookup tables;

wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file;

wherein said source file with extended grammar constructs is associated with existing basic executables.

17. Canceled

18. (Currently Amended) A computer-readable computer program product of claim 16, wherein said basic grammar constructs comprise X.680 grammar constructs, and wherein said extended grammar constructs comprise at least one of X.68x grammar constructs, ~~[[()]]~~where x is greater than or equal to 1, 2, or 3~~[[()]]~~.